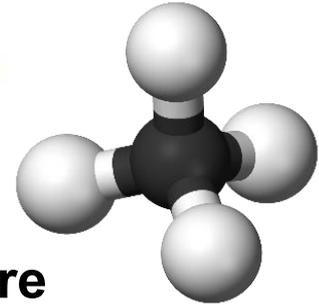
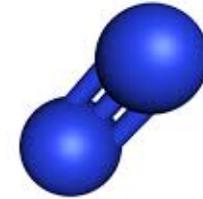


Molecule

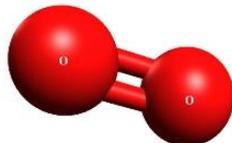
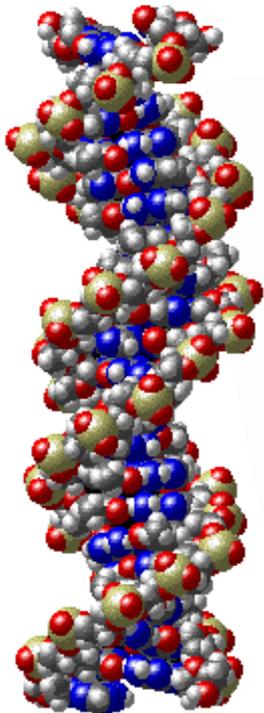


Molecules are **neutral groups of two or more atoms held together by chemical bonds.**

- Molecules can be thought of as the **smallest identifiable physical unit** of a chemical substance.

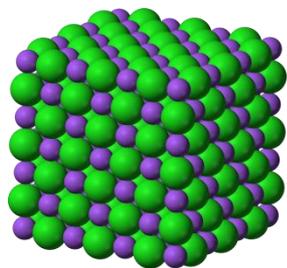
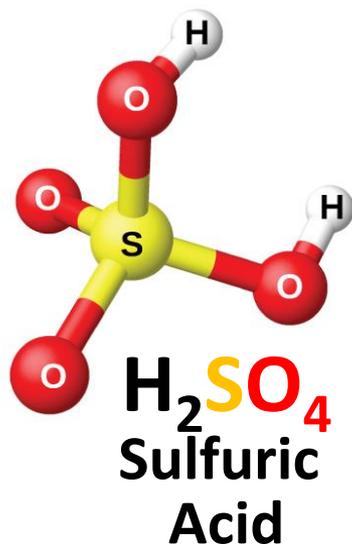
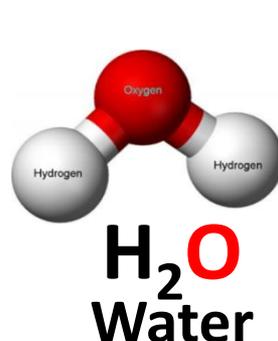
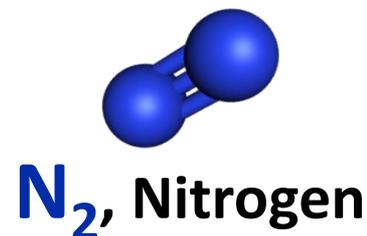
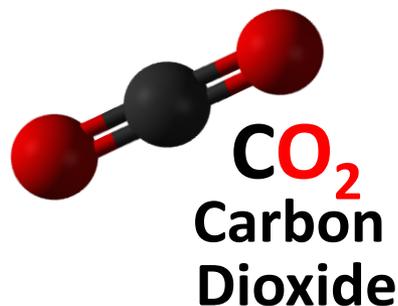
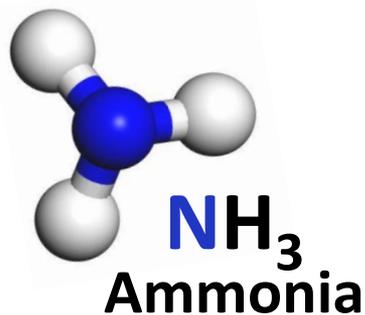
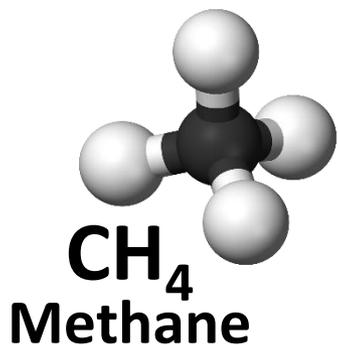


- Molecules as components of matter are common in organic substances. They also make up most of the oceans and atmosphere.



- However, the **majority of familiar solid substances on Earth**, including most of the minerals that make up the crust, mantle, and core of the Earth, contain many chemical bonds, but **are not made of identifiable molecules.**

Simple inorganic molecules



Chemical Substance

A chemical *substance* is a form of matter that has a definite chemical composition throughout and distinct characteristic properties.



glass

gold ingots



honey

liquid nitrogen



All ordinary matter can be classified *chemically* as either a *pure substance* or a *mixture*.